

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: IKANOS COMMUNICATIONS, INC.Application No./Patent No.: 09/639,515 Filed/Issue Date: August 15, 2000Entitled: RELAXED, MORE OPTIMUM TRAINING FOR MODEMS AND THE LIKEIKANOS COMMUNICATIONS, INC., a CORPORATE

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_%); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**OR**

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: HALDER, BIJIT To: EXCESS BANDWIDTH CORPORATION

The document was recorded in the United States Patent and Trademark Office at

Reel 011047, Frame 0065, or for which a copy thereof is attached.EXCESS BANDWIDTH2. From: CORPORATION To: VIRATA CORPORATION

The document was recorded in the United States Patent and Trademark Office at

Reel 011569, Frame 0724, or for which a copy thereof is attached.3. From: GLOBESPANVIRATA, INC. To: BROOKTREE BROADBAND HOLDING, INC.

The document was recorded in the United States Patent and Trademark Office at

Reel 018826, Frame 0939, or for which a copy thereof is attached.☒ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/E. Rico Hernandez/

Signature

E. Rico Hernandez

Printed or Typed Name

January 23, 2011

Date

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Applicant/Patent Owner: IKANOS COMMUNICATIONS, INC.

Applicant/Patent No.: 09/639,515

Entitled: RELAXED, MORE OPTIMUM TRAINING FOR MODEMS AND THE LIKE

Name of Assignee: IKANOS COMMUNICATIONS, INC.

**SUPPLEMENTAL SHEET TO STATEMENT UNDER 37 CFR 3.73 (b)**  
**Additional Documents in the Chain of Title**

The following is a continuation of the chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

4. From: VIRATA CORPORATION To: GLOBESPANVIRATA, INC.

The document was recorded in the Patent and Trademark Office at  
Reel 018471, Frame 0070, or for which a copy thereof is attached.

5. From: GLOBESPANVIRATA, INC. To: CONEXANT, INC.

The document was recorded in the Patent and Trademark Office at  
Reel 018471, Frame 0286, or for which a copy thereof is attached.

6. From: CONEXANT SYSTEMS, INC.; To: IKANOS COMMUNICATIONS, INC.  
CONEXANT, INC.

BROOKTREE BROADBAND  
HODING INC.

The document was recorded in the Patent and Trademark Office at  
Reel 023163, Frame 0723, or for which a copy thereof is attached.